MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

DATE OF PREP.

3/82

Section I

CITY, STATE, AND ZIP CODE

MANUFACTURER'S NAME

BOSTIK WEST,

DIVISION OF EMHART CORPORATION

STREET ADDRESS

20846 S. NORMANDIE AVE.

TORRANCE, CA.

EMERGENCY TELEPHONE NO. (213)320-6800

PRODUCT CLASS

**EPOXY** 

(Flat Red Epoxy, DPM-110, ₩ 2138)

TRADE NAME

BOSTIK

MANUFACTURERS CODE IDENTIFICATION 463-3-3

Catalyst: CA-118

Mix Ratio: 3 parts 463-3-3(Base) to

1 part CA-118 by volume

### Section II — HAZARDOUS INGREDIENTS

INGREDIENT 463-3-3(Base Only)	CAS NO.	PERCENT (Wt.)	T PPM	LV mg/M³	LEL	VAPOR PRESSURE
Cellosolve Acetate Methyl Ethyl Ketone Toluene Xylene Butyl Acetate Butyl Cellosolve Butyl Alcohol Methyl Isobutyl Ketone Chromate Compounds: Reported as Pb Reported as Cr	111-15-9 78-93-3 108-88-3 1330-20-7 123-86-4 111-76-2 71-36-3 108-10-1 17758-97-6 13765-19-0	10-15 10-15 <5.0 <5.0 <5.0 <1.0 <1.0 <1.0	100 200 200 100 150 50 100 100	*0.05 *0.05	1.7 1.8 1.2 1.0 1.7 1.1 1.7 1.4	2.0 70.0 22.0 7.0 8.0 1.0 4.0 15.0

# Section III — PHYSICAL DATA

BOILING RANGE

176-340° F.

VAPOR DENSITY

X HEAVIER

LIGHTER, THAN AIR

EVAPORATION RATE

FASTER

X SLOWER, THAN ETHER

PERCENT VOLATILE

**WEIGHT PER** 60% GALLON

10.68 lbs.

#### Section IV — FIRE AND EXPLOSION HAZARD DATA

**DOT CATEGORY** 

Red Label, Flammable

(Min) FLASH POINT 23° F.

Tag Closed Cup

LEL 1.0

**EXTINGUISHING MEDIA** 

Exclude air-Use foam, CO2, steam, water fog,

dry chemicals. Do not uše water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapor forms explosive mixture with air between

upper and lower explosion limits.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water, exclude air, use water spray to cool fire exposed surfaces and to protect personnel.

Section V — HEALTH HAZARD DATA
OLD LIMIT VALUE: See Section II OF OVEREXPOSURE: Headache, nausea, dizziness. Breathing vapor will be cating to nose, throat and eyes.
CYANDFIRSTAID PROCEDURES: Skin Exposure: Wash affected area with soap & water. Exposure: Flush with water for at least 15 minutes, consult physician. tion: Consult physician immediately. ation: Remove victim to fresh air, consult physician.
Section VI — REACTIVITY DATA
UNSTABLE XX STABLE CONDITIONS TO AVOID: Storage at high temperatures.  ABILITY (Materials to avoid) Strong oxidizing agents. Sparks and open flame.  By the composition PRODUCTS  By the composition CO CO Aldebydes and other provided in the composition of the co
mbustion CO, CO <sub>2</sub> , Aldehydes and other organics, lead fumes, oxides of gen.  JS POLYMERIZATION MAY OCCUR XX WILL NOT OCCUR  NS TO AVOID
Section VII — SPILL OR LEAK PROCEDURES
BETAKENINCASE MATERIALIS RELEASED OR SPILLED: Eliminate sources of ignition and clear fumes area. Prevent liquid from entering sewers, water sources, or low areas. unnecessary personnel away. Shut off source, if possible to do so without contain spilled liquid with sawdust, sand or oil absorbing compound. POSAL METHOD Wash area with detergent & water. Consult disposal expert & ensure rmity with local regulations.
Section VIII — SPECIAL PROTECTION INFORMATION
if used in non ventilated area. nical: Explosion-proof ventilation equipment. No smoking or open lights.
r: Face velosity 60 fpm in confined area.
egloves: Chemically resistant gloves. ction: Chemical splash goggles or face shield. tective equipment: Eye bath & safety shower.
Section IX — SPECIAL PRECAUTIONS
nstobetakenin Handling and Storing: Keep containers closed when not in use. Do not or store near flame, heat or strong oxidants. Adequate ventilation ed. Containers of this product may be hazardous when emptied -these cautions containers retain product residues (vapor, liquid, etc.).
ndling equipment should be electrically grounded. Treat as a very ble liquid.
Kenneth J. Silberberg Technical Administrative Manager

BOE-C6-0208179

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20

DATE OF PREP 10-81

Section I

MANUFACTURER'S NAME BOSTIK WEST, DIV. OF USM CORPORATION, AN EMHART UNITED

STREET ADDRESS 20846 So. Normandie Ave. CITY, STATE, AND ZIPCODE Torrance,

EMERGENCY TELEPHONE NO. (213) 320-6800

PRODUCT CLASS

AMINE ABDUCT.

TRADENAME BOSTIK

MANUFACTURERS CODE IDENTIFICATION

CA-118

Catalyst for: 453-3-Series, 463-3-Series

463-3-8, 454-3-Series. Mix Ratio: 3 parts

Base to 1 part CA-118 by volume.

#### Section II — HAZARDOUS INGREDIENTS

INGREDIENT CA-118 Epoxy Catalyst	CAS No.	PERCENT (Wt.)	TI PPM	.V mg/M³	LEL	VAPOR PRESSURE IIIII Hg.
Methyl ethyl ketone	78-93-3	25-30	200		1.8	70.0
Butyl alcohol	71-36-3	20-25	100		1.7	4 : 0
Butyl acetate	123-86-4	20–25	150		1.7	8.0
Butyl cellosolve	111-76-2	10-15	50		1.1	1.0
Toluene	108-88-3	<b>&lt;</b> 5.0	200		1.2	22.0
Diethylenetriamine(DETA)	111-40-0	Trace	1.0		1.4	<b>&lt;</b> 1.0
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## Section III - PHYSICAL DATA

BOILING RANGE	176-340° F.		VAPOR DENSIT	ry X i	HEAVIER	LIGHTER. THAN AIR
EVAPORATION RATE	FASTER	X SLOWER, THAN ETHER	PERCENT VOLATILE BY VOLUME	87%	WEIGHT PER GALLON	7.0 lbs.

# Section IV — FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY Red Label, Flammable

(Min) Flash point

23° F. Tag Closed Cup

LEL 1.1

**EXTINGUISHING MEDIA** 

Exclude air - Use foam, CO<sub>2</sub>, steam, water fog,

dry chemicals. Do not use water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapor forms explosive mixture with air between

upper and lower explosion limits.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water, exclude air, use water spray to cool fire exposed surfaces and to protect personnel.

# Section V — HEALTH HAZARD DATA THRESHOLD LIMIT VALUE See Section II EFFECTS OF OVEREXPOSURE Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat, and eyes. EMERGENCY AND FIRST AID PROCEDURES: Skin Exposure: Wash affected area with soap and water. Eye Exposure: Flush with water for at least 15 minutes, consult Ingestion: Consult physician immediately. physician. Inhalation: Remove victim to fresh air, consult physician. Section VI - REACTIVITY DATA STABILITY UNSTABLE XX STABLE conditions to avoid Storage at high temperatures. INCOMPATABILITY (Materials to avoid) Strong oxidizing agents. Sparks & open flame. HAZARDOUS DECOMPOSITION PRODUCTS On combustion CO, CO2, Aldehydes and other organics, oxides of nitrogen. HAZARDOUS POLYMERIZATION MAY OCCUR XX WILL NOT OCCUR CONDITIONS TO AVOID Section VII — SPILL OR LEAK PROCEDURES steps to be taken in case material is released or spilled: Eliminate sources of ignition and clear fumes from area. Prevent liquied from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without wasted by the same of the source of the same of the s Section VIII — SPECIAL PROTECTION INFORMATION RESPIRATORY PROTECTION : Use approved respiratory protection such as an air-supplied mask if used in non ventilated area. Mechanical: Explosion-proof ventilation equipment. No smoking or open lights. ventilation: Face velosity > 60fpm in confined area. PROTECTIVE GLOVES Chemically resistant gloves. EYE PROTECTION Chemical splash goggles or face shield. other protective equipment Eye bath & Safety shower. Section IX — SPECIAL PRECAUTIONS PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep containers closed when not in use. Do Not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied -these other precautions containers retain product residues (vapor, liquid, etc.). All handling equipment should be electrically grounded. Treat as a very flammable liquid. Kenneth J. Silberberg Technical Administrative Manager